

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-14 (canceled)

15. (currently amended) A hemocompatible surface ~~comprising~~ consisting of:  
a material located on or in the hemocompatible surface, wherein the material ~~comprising~~ consists of an artificial compound, a natural organic compound, or an inorganic compound, or a mixture thereof; and,  
a constituent of an outer layer of a blood cell, a constituent of an outer layer of a mesothelial cell or a combination thereof,  
wherein the hemocompatible surface does not consist of thrombodulin;  
and wherein the hemocompatible surface does not consist of whole, intact cells.

16. (currently amended) The hemocompatible surface of Claim 15, wherein the hemocompatible surface consisting of a natural organic compound, or a constituent of an outer layer of a blood cell, a constituent of an outer layer of a mesothelial cell or a combination thereof,  
~~comprises~~ consists of a surface extracted from an animal organ, an animal organ part, a vascular system, or a combination thereof.

17. (currently amended) The hemocompatible surface of Claim 15, wherein the constituent ~~comprises~~ consists of:  
an oligosaccharide;  
a polysaccharide;  
lipid portions of a glycoprotein, lipid portions of a glycolipid, or lipid portions of a proteoglycan; or  
combinations thereof;

wherein the constituent is obtained from outer layers of blood cells, outer layers of mesothelial cells, or combinations thereof.

18. (currently amended) The hemocompatible surface of Claim 15, wherein the constituent ~~comprises~~ consists of heparin sulfate obtained from erythrocyte plasma membranes of animals or humans.

19. (currently amended) The hemocompatible surface of Claim 15, wherein the constituent ~~comprises~~ consists of an oligosaccharide or a polysaccharide portion of a proteoglycan, wherein the proteoglycan is hyaluronic acid, chondroitin sulfate, dermatan sulfate, heparin sulfate, or keratin sulfate, or a mixture thereof.

20. (currently amended) The hemocompatible surface of Claim 15, wherein the constituent ~~comprises~~ consists of glycoporphins, glycosphingolipids, or combinations thereof.

21. (previously presented) The hemocompatible surface of Claim 15, wherein the hemocompatible surface is non-thrombogenic, non-immunogenic or a combination thereof.

22. (currently amended) The hemocompatible surface of Claim 15, wherein the material ~~comprises~~ consists of a high-molecular weight organic compound, a metal, a metal oxide, an alloy, a ceramic, a glass, a mineral, or a mixture thereof.

23. (currently amended) An article, device, or material ~~comprising~~ consisting of the hemocompatible surface of Claim 15.

Claims 24-29 (canceled)